CARBON + ADHESION (CAR + ADS)

CAR + ADS P-1 - Mo – 22; FERMI LEVEL OF TWO DIMENSIONAL ELECTRON GAS IN QUANTUM WELL WITH COMPLEX FORM | **Sophia R. FIGAROVA**, Bahram M. ASKEROV, Gular N. KHASIYEVA P1

** **CAR + ADS P-2 - Mo – 225;** Drawing Sub-μm Reductive Patterns into One Graphene Oxide Sheet by VUV Photo-reduction **Yudi TU**, Takashi ICHII, Om Prakash KHATRI, Hiroyuki SUGIMURA P2

* **CAR + ADS P-3 - Mo – 231;** Thermopower measurement of gold atomic junctions | **Ryuji MATSUSHITA**, Satoshi KANEKO, Manabu KIGUCHI P3

CAR + ADS P-4 - Mo – 368; Effect of substrate temperature on CH_x thin films synthesized by pulsed laser ablation. | **Rachda Habiba BENHAGOUGA**, Samira ABDELLI-MESSACI, Abla RAHAL, Slimane LAFANE, Kamel MIROUH P4

CAR + ADS P-5 - Mo – 399; Colloidal Synthesis and Characterization of CdSe Quantum dots (QDs): Role of Cd:Se Molar Ratios and Temperature | **Hakan AYDIN**, M. Rezaul KARIM, Mesut BALABAN, Hilmi ÜNLÜ P5

** **CAR + ADS P-6 - Mo – 418;** Graphene from Self Assembled Monolayers | **Tashfeen ZEHRA**, Ali SYARI' ATI, Oleksii IVASHENKO, Wesley R.BROWN, Andre MINTJES, Luca BIGNARDI, Petra RUDOLF P6

CAR + ADS P-7 - Mo – 441; Carbon nanomaterial supported Pd-Pt/Ir bimetallic nanoparticles | **Tatyana ASANOVA**, Vyacheslav TUR, Igor ASANOV P7

CAR + ADS P-8 - Mo – 442; Effects of Temperature on the Optical and Dielectric Properties of CdSe Nanocrystals | **Hilmi ÜNLÜ**, M. Rezaul KARİM, Hakan AYDIN, H. Hakan GÜREL P8

CAR + ADS P-9 - Mo – 467; Analysis of catalytic properties graphene based systems for *Direct Formic Acid Fuel Cells*. | **Igor BIELOSHAPKA**, Petr JIRICEK P9

CAR + ADS P-10 - Mo – 504; Structural and electrochemical characterization of aminated single-walled carbon nanotubes prepared by fluorination | **Yoshinori SATO**, Kohei BUSHIMATA, Takashi ITOH, Kazuyuki TOHJI P10

CAR + ADS P-11 - Mo – 505; Energy gap tuning in graphene and boron nitride nanoribbons - *ab initio* studies | **Mikołaj SADEK**, Jacek MAJEWSKI P11

CAR + ADS P-12 - Mo – 506; Attachment and Growth of Cu Nanoparticles on Indium Tin Oxide by Switching Surface Electric Charge | **Shun YOKOYAMA**, Kenichi MOTOMIYA, Kai TAKAYUKI, Itoh TAKASHI, Hideyuki TAKAHASHI, Kazuyuki TOHJI P12

CAR + ADS P-13 - Mo – 615; The Electronic Structure of Manganese Phthalocyanine | **Iulia Emilia BRUMBOIU**, Roberta TOTANI, Monica DE SIMONE, Marcello CORENO, Cesare GRAZIOLI, Luca LOZZI, Heike HERPER, Biplab SANYAL, Olle ERIKSSON, Carla PUGLIA, Barbara BRENA P13

CAR + ADS P-14 - Mo - 642 | Green approach for preparation of graphene oxide decorated by gold nanoparticles; **Michaela ŠIMŠIKOVÁ**, Miroslav BARTOŠ, Peter KEŠA, Tomáš ŠIKOLA P14

CAR + ADS P-15 - Mo – 650; Graphene growth on atomically flat copper surface | **Pavel PROCHÁZKA**, Jindřich MACH, Jan ČECHAL, Miroslav BARTOŠÍK, Miroslav BARTOŠ, Zuzana LIŠKOVÁ, Tomáš ŠIKOLA P15

CAR + ADS P-16 - Mo – 717; Surface Functionalization of Graphene Analogs and Its Effects On The Exfoliation Behaviour and Interactions With Small Molecules: A MD Study | **Berkay SÜTAY**, Ramin EKHTEIARI SALMAS, Mine YURTSEVER P16

* **CAR + ADS P-17 - Mo – 774;** The structural and electronic properties of X (Li, Ag, Au)-intercalated AB stacking bilayer-graphene **Ceren TAYRAN**, Sezgin AYDIN, Mehmet ÇAKMAK, Şinasi ELLIALTIOĞLU P17

* **CAR + ADS P-18 - Mo – 805;** Identification of atomic species on supported MoSx nanoparticles | **Albert BRUIX**, Mie ANDERSEN, Henrik G. FÜCHTBAUER, Jeppe V. LAURITSEN, Bjørk HAMMER P18

CAR + ADS P-19 - Mo – 864; Super hydrophobic polymer nanocomposite thin film coatings for anti-ice purpose | **H. Harun ARKAZ**, Mehmet HANCER P19

* **CAR + ADS P-20 - Mo – 897;** In-situ UV-Vis investigation of the formation of gold nanoparticles by the solution plasma spattering
Tsuyoshi MIZUTANI, Satoshi OGAWA, Takaaki MURAI, Hirofumi NAMEKI, Tomoko YOSHIDA, Shinya YAGI P20

CAR + ADS P-21 - Mo – 898; Shell Structure of Chlorine-passivated Colloidal Quantum Dots; A Synchrotron Radiation X ray Photoelectron Sepctroscopy Study **Hanna RADTKE**, Atip PENGPAD, Andrew WILLIAMSON, Robert PAGE, David CANT, Karina SCHULTE, Jacek OSIECKI, Frederica BONDINO, Elena MAGNANO, Igor PIS, Fausto SIROTTI, Mathieu SILLY, David BINKS, Wendy FLAVELL P21

CAR + ADS P-22 - Mo – 300; Study on the surface oxidation and galvanizability of AHSS | **Hojong LEE** P22

CAR + ADS P-23 - Mo – 446; Building a two-dimensional network: tetrakis(diphenyl)porphyrin on Cu(110) | **Bareld WIT**, Sam HAQ, Asensio GONZÁLEZ, Lluïsa PÉREZ-GARCÍA, David AMABILINO, Rasmita RAVAL P23

CAR + ADS P-24 - Mo – 812; Structural and catalytic study of Ni/TiO_2 nanoparticles | **Nassira KEGHOUCHE**, Sabah CHETTIBI, Yamina BENGUEDOUAR, Jacqueline BELLONI P24

CAR + ADS P-25 - Mo – 1001; Super porous Cryogel Metal Nanoparticle Composites for H2 Generation from Chemical Hydride Hydrolysis | **Sema YILDIZ**, Nurettin SAHINER, Fahriye SEVEN P25

CAR + ADS P-26 - Mo – 1002; Modifiable Natural P(Tannic Acid) Microgels for Biomedical Use | **Selin SAGBAS**, Nahit AKTAS, Nurettin SAHİNER P26

CAR + ADS P-27 - Mo – 65; Adsorption of PTCDA at terrace and step sites of alkali halide surfaces investigated by fluorescence spectroscopy | **Alexander PAULHEIM**, Christian MARQUARDT, Quinmin GUO, Moritz SOKOLOWSKI P27

CAR + ADS P-28 - Mo – 182; Adsorption Structures of 2-Mercaptoethanol and Thioglycolic acid on the Ge(100) Surface | **Hangil LEE**, Jaeyoung KIM P28

CAR + ADS P-29 - Mo – 223; Identifying different structures of acetophenone chemisorbed on the 7x7 DAS reconstruction of Si(111) surface | **Peter MATVIJA**, Ondřej KREJČÍ, Petr ZIMMERMANN, Pavel SOBOTÍK, Ivan OŠŤÁDAL, Pavel KOCÁN P29

CAR + ADS P-30 - Mo – 298; Reflectance difference spectroscopy of water on Cu(110) | **Mariella DENK**, Michael HOHAGE, Lidong SUN, Peter ZEPPENFELD, Norbert ESSER, Christoph COBET P30

CAR + ADS P-31 - Mo – 323; Density function theory study on adsorption of O_2, CO, CO_2 and O on W (111) surface and W helical nanotube | **Jia-yun LI**, Chun CHEN, Ken-Huang LIN, Shin-Pon JU P31

CAR + ADS P-32 - Mo – 330; Fe(II)-coordinated self-assembled organic networks on Ag(111) surface | **Yang Wang**, Manuel ALCAMÍ, Jonathan RODRÍGUEZ-FERNÁNDEZ, M. Ángeles HERRANZ, Nazario MARTÍN, José M. GALLEGO, Roberto OTERO, Rodolfo MIRANDA, Fernando MARTÍN P32

CAR + ADS P-33 - Mo – 417; Stable adsorption structures of O atoms on the pristine and the defected (111) surface of topological insulator, Bi_2Se_3 | **Eun-ha SHIN**, Hanchul KIM, Geunseop LEE P33

CAR + ADS P-34 - Mo – 437; Removal of Acid red dye from aqueous solution using perovskite-oxide LaFeO3 nanoparticles: kinetic and isotherm study | **Shahab KHAMENEH ASL**, D. UNR P34

CAR + ADS P-35 - Mo – 486; Enhanced Immobilization of Gold Nanoclusters on Graphite for Protein Capture | **Feng YIN**, Penelope RODRÍGUEZ-ZAMORA, Richard E. PALMER P35

* **CAR + ADS P-36 - Mo – 502;** Adsorption of basic dye on activated carbon issued from the cryogenic grinding of olive stones **Ahmed BELGACEM**, Hocine HADOUN P36

CAR + ADS P-37 - Mo – 516; Tetrastable adsorption of s-triazine on Pt(111) | **Sergey FILIMONOV**, Wei LIU, Alexandre TKATCHENKO P37

* **CAR + ADS P-38 - Mo – 539;** Phosphorus Adsorption on Platinum (111) | **Olli HEIKKINEN**, Hugo PINTO, Godhuli SINHA, Sampsa HÄMÄLÄINEN, Jani SAINIO, Adam FOSTER, Jouko LAHTINEN P38

CAR + ADS P-39 - Mo – 637; An Isotherm Studies Towards Understanding Rhodium Adsorption onto a Polyhenolic Polymer
Mustafa CAN, Emrah BULUT P39

CAR + ADS P-40 - Mo – 698; A Comparative Examination of the Sorption Mechanism of an Anionic Textile Dye (RBY 3GL) onto the Powdered Activated Carbon (PAC) By Using Various the Isotherm Models and Kinetics Equations with Linear and Non-Linear Methods | **Metin AÇIKYILDIZ**, Ahmet GÜRSES, Duygu YALVAÇ, Kübra GÜNEŞ, Mehtap EJDER KORUCU P40
CAR + ADS P-41 - Mo – 710; Preparation and characterisation of a boron nitride nanolayer on Rh surfaces | **Arnold Peter FARKAS**, Frigyes SOLYMOSI, Zoltán KÓNYA, János KISS P41

* **CAR + ADS P-42 - Mo – 716;** Hydrogen-bonded networks of self-assembled triarylamines | **Christian STEINER**, Tim SANDER, Maximilian AMMON, David GESSNER, Ute MEINHARDT, Bettina GLIEMANN, Milan KIVALA, Sabine MAIER P42

CAR + ADS P-43 - Mo – 727; THEORETICAL INVESTIGATION ON ADSORPTION AND DESORPTION CHARATERISTICS OF POROUS MATERIAL MIXTURES IN LOW GRADE THERMAL POWERED ADSORPTION COOLING SYSTEMS | **Nima BONYADI**, Cemil YAMALI, Derek BAKER P43

CAR + ADS P-44 - Mo – 750; Atomic and electronic structures of BaO/Si(001) | **Sibel ÖZKAYA**, Demet USANMAZ, Mehmet ÇAKMAK, Bora ALKAN, Şinasi ELLIALTIOĞLU P44

CAR + ADS P-45 - Mo – 759; Central composite design optimization of textile dye adsorption onto nanoclay | **Alireza KHATAEE**, Aydin H ASSANI, Semra KARACA, Murat KIRANŞAN P45

CAR + ADS P-46 - Mo – 760; Atomic and electronic structures of As-covered GaAs(111)A surface | **Sibel ÖZKAYA**, Demet USANMAZ, Mehmet ÇAKMAK, Bora ALKAN, Şinasi ELLIALTIOĞLU P46

CAR + ADS P-47 - Mo – 763; Synthesis of cetyltrimethylammonium bromide modified montmorillonite nanomaterial for adsorption of an herbicide from contaminated water | **Alireza KHATAEE**, Aydin H ASSANI, Semra KARACA, Mehdi SHIRZAD-SIBONI P47

CAR + ADS P-48 - Mo – 776; Density functional theory calculations including van der Waals forces for the phthalocyanine - Au(111) interface | **Johann LÜDER**, Olle ERIKSSON, Biplab SANYAL, Barbara BRENA P48

** **CAR + ADS P-49 - Mo – 808;** Bond activation in lignin models: decomposition of 2-phenoxyethanol on Pt(111) | **Cherif A. OULD HAMOU**, Javier B. GIORGI P49

CAR + ADS P-50 - Mo – 823; Atomic and Electronic Structure of Bi/Ge(111)-($\sqrt{3}\times\sqrt{3}$) surface | **Sibel ÖZKAYA**, Demet USANMAZ, Mehmet ÇAKMAK, Bora ALKAN, Şinasi ELLIALTIOĞLU P50

REACTIONS + OXIDES (REAC + OXD)

REAC + OXD P-51 - Mo – 17; Thermal Decomposition of Lithium Hydride Corrosion Layers | **Martin KING**, Ewan GALLOWAY, James TONKS P51

REAC + OXD P-52 - Mo – 49; Studies of spinel ferrite $CoFe_2O_4$ and spinel cobaltite $FeCo_2O4$ as catalysts for total ethanol combustion | **Laaldja MEDDOUR-BOUKHOBZA**, Yasmina HAMICHE-BELLAL, Amel BENADDA, Amar DJADOUN, Sihem OUATAS, Sophia AZOUANI, Omar HOUAS P52

REAC + OXD P-53 - Mo – 73; Investigation of methanol oxidation over platinum oxide thin film catalyst by using microreactor system | **Andrii REDNYK**, Viktor JOHÁNEK, Ivan KHALAKHAN, Martin DUBAU, Mykhailo VOROKHTA, Vladimír MATOLÍN P53

REAC + OXD P-54 - Mo – 75; Mineralization of Microbes and Fingerprints by Photocatalytically Active Titania Surfaces **Eva Maria MOSER**, Kristoffer AMBORD P54

REAC + OXD P-55 - Mo – 153; Complete benzene oxidation over mono and bimetallic Au-Pd catalysts supported on Fe-modified ceria | **Tatyana TABAKOVA**, Lyuba ILIEVA, Petia PETROVA, Anna-maria VENEZIA, Georgi AVDEEV P55

REAC + OXD P-56 - Mo – 168; Gold catalysts on Pr-modified ceria for pure hydrogen production via WGS reaction | **Lyuba Ilieva GENCHEVA**, Petya PETROVA, Ivan IVANOV, Gabriel MUNTEANU, Magali BOUTONNET, Janusz W. SOBCZAC, Wojciech LISOWSKI, Zbigniew KASZKUR, Anna Maria VENEZIA, Tatyana TABAKOVA P56

REAC + OXD P-57 - Mo – 285; Adsorption and Reactions on TiO_2: Comparison of N,N-Dimethylformamide and Dimethylamine **Jong-liang LIN** P57

REAC + OXD P-58 - Mo – 296; Development of Au/TiO_2 coated SCR-DeNOx catalysts with increased mercury oxidation activity **Beatrice Andreea DRANGA**, Heinz KOESER P58

* **REAC + OXD P-59 - Mo – 374;** A DFT Study of Propylene Epoxidation on Ag_2O (001) and Gold Modified Ag_2O (001) Surfaces **İlker TEZSEVIN**, Işık ÖNAL P59

REAC + OXD P-60 - Mo – 383; DFT Investigation of High Temperature Water Gas Shift Reaction on Chromium-Iron Oxide Catalyst | **Özgen YALÇIN**, Işık ÖNAL P60

** **REAC + OXD P-61 - Mo – 488;** Evaluation of organic derivatives of magnesium borohydride as precursors towards superconducting magnesium diboride coatings. | **Wojciech WEGNER**, Tomasz JAROŃ, Wojciech GROCHALA P61

** **REAC + OXD P-62 - Mo - 490** Synthesis of scandium borohydrides and their evaluation as precursors towards metal borides in bulk and as surface coatings **Agnieszka STAROBRAT**, Tomasz JAROŃ, Wojciech GROCHALA P62

REAC + OXD P-63 - Mo – 515; Investigation on morphology effect of TiO2 nano-tubes prepared by electrochemical anodizing on absorption of AO7 dye solution | **Shahin Khameneh Asl**, Mohamad Bagher AKBARYEEH, Shahab KHAMENEHASL P63

REAC + OXD P-64 - Mo – 526; Photocatalytic activity enhancement of titania by the combined use of dopants and carbon nanotube templates | **Alp YURUM**, Tugce KIRBAS, Gurkan KARAKAS P64

** **REAC + OXD P-65 - Mo – 535;** The Synthesis of CNT-TiO_2-SiO_2 Thin Films: The Effect of Heat Treatment on Photocatalytic Activity | **Tuğçe KIRBAŞ**, Alp YÜRÜM, Gurkan KARAKAS P65

* **REAC + OXD P-66 - Mo – 557;** Nano-oxides with controlled size modified with Pd for oxidation methane | **Iliyana YORDANOVA**, Aparna GANGULY, Hristo KOLEV, Sanjit MONDAL, Anton NAYDENOV, Maya SHOPSKA, Ashok GANGULI, Silviya TODOROVA P66

REAC + OXD P-67 - Mo – 566; Adsorption Properties of Alcohol Selective Oxidation Products on Au(111) Single Crystal Model Catalyst Surface | **Syed Asad Ali SHAH**, Mustafa KARATOK, Abdurrahaman TURKSOY, Evgeny VOVK, Emrah OZENSOY P67

* **REAC + OXD P-68 - Mo – 613;** Zirconia and Titania Functionalized Ternary and Quaternary Mixed Oxides as NO_x Storage and Reduction (NSR) Systems | **Zafer SAY**, Merve TOHUMEKEN, Kerem Emre ERCAN, Emrah OZENSOY P68

REAC + OXD P-69 - Mo – 645; A DFT STUDY OF METHANE ACTIVATION ON Ce-DOPED AND UNDOPED La_2O_3 (001) SURFACE | **Yasemin KAYA**, Işık ÖNAL P69

* **REAC + OXD P-70 - Mo – 686;** Investigation of The Photocatalytic Water Splitting Activities of Er^{3+}/Nd^{3+} Doped TiO_2 Powders **Hüsnü Arda YURTSEVER**, Muhsin ÇIFTCIOĞLU P70

REAC + OXD P-71 - Mo – 722; Rubidium and caesium amidoboranes - precursors for boron-nitrogen ceramics. | **Rafał OWARZANY**, Karol FIJALKOWSKI, Wojciech GROCHALA P71

REAC + OXD P-72 - Mo – 736; Vinyl Acetate Formation Pathways and Selectivity on Model Metal and Alloy Catalyst Surfaces. **Wilfred TYSOE** P72

REAC + OXD P-73 - Mo – 922; Extreme UV induced water dissociation on Ru(0001) | **Feng LIU**, Marko STURM, Chris LEE, Fred BIJKERK P73

REAC + OXD P-74 - Mo – 962; Time Interrupted Enhancement of Kinetics of Fischer-Tropsch Synthesis Reaction Based on Surface Kinetic Models | **Necip Berker ÜNER**, Deniz ÜNER P74

REAC + OXD P-75 - Mo – 38; TiO_2:Nb transparent conductive thin films treated by a post hot-wire annealing in a reducing H_2 atmosphere | **Carlos J. TAVARES**, Maria V. CASTRO, Luis REBOUTA, Pedro ALPUIM, Fatima CERQUEIRA, Eduardo ALVES, Nuno BARRADAS P75

REAC + OXD P-76 - Mo – 94; Photoelectron spectroscopic study of H_2O exposure effect on amorphous In-Ga-Zn-O thin film surface | **Hyun-joon SHIN**, Jaeyoon BAIK, Sejun KANG P76

REAC + OXD P-77 - Mo – 13; Characterization of F centers in MgO (100) films using a UHV compatible W-band EPR spectrometer | **Damien CORNU**, Jan ROCKER, Werner HÄNSEL-ZIEGLER, Thomas RISSE, Hans-joachim FREUND P77

REAC + OXD P-78 - Mo – 178; Electronic States at SnO/SnO2 Heterointerfaces | **Arwa ALBAR**, Udo SCHWINGENSCHLÖGL P78

REAC + OXD P-79 - Mo - 185 ; XPS study on the surface of acid treated TiO_2 photocatalytic films | **Maria SHIPOCHKA**, Irina STAMBOLOVA, Vladimir BLASKOV, Sasho VASSILEV, Konstantin BALASHEV P79

REAC + OXD P-80 - Mo – 227; Fabrication of the programmable three-dimensional nanostructures of functional metal oxides **Azusa HATTORI**, Hidekazu TANAKA P80

SYNCHROTRON + NEW TECHNIQUES (SYNC + TECH)

SYNC + TECH P-81 Mo – 62; Quantitative studies on elemental analysis and non-destructive depth profiling by hard X-ray photoelectron spectroscopy | **Noritake ISOMURA**, Keita KATAOKA, Hiroshi OJI, Yi-tao CUI, Jin-young SON, Kazuhiko DOHMAE, Kayo HORIBUCHI, Kosuke KITAZUMI, Naoko TAKAHASHI, Yasuji KIMOTO P81

SYNC + TECH P-82 Mo – 83; Electronic property of Li overlayer on graphite | **Galif KUTLUK**, Masashiii NAKATAKE, Masashi ARITA, Herosuke SUMIDA, Yuki KOODA, Herofumi NAMATAME, Masaki TANIGUCHI P82

SYNC + TECH P-83 Mo – 161; Observation of Indium atomic movement in Mn-doped In-Sb-Te during multi-level resistance changes | **Young Mi LEE**, D. AHN, J. Y. KIM, D. K. CHOI, Y. S. KIM, S. CHO, M. H. CHO, Min Cherl JUNG P83

SYNC + TECH P-84 Mo – 524; Evaluation of molecular charge transfer dynamics by site-selective ion desorption and resonant Auger electron measurements | **Shin-ichi WADA**, Ryosuke KOGA, Hironori HAYASHITA, Mai OGAWA, Jumpei KAJIKAWA, Kenichiro TANAKA, Atsunari HIRAYA P84

SYNC + TECH P-85 Mo – 559; Ion Segregation at Liquid Water Surface: a Near-Ambient Pressure XPS Study | **Héloise TISSOT**, Giorgia OLIVIERI, Fabrice BOURNEL, Jean-jacques GALLET, Mathieu SILLY, François ROCHET P85

SYNC + TECH P-86 Mo – 891; Photon-stimulated desorption surface spectroscopy using vacuum ultraviolet emissions from a laser-produced-plasma | **Masanori KAKU**, Daichi KAI, Shoichi KUBODERA P86

SYNC + TECH P-87 Mo – 205; Fast grazing incidence scattering and diffraction of H and H2 from surfaces | **Cristina DÍAZ**, Alberto S. MUZAS, Fernando MARTÍN P87

SYNC + TECH P-88 Mo – 689; The new electron spectroscopy coincidence station at BESSY II | **Torsten LEITNER**, Ruslan OVSYANNIKOV, Mihaela GORGOI, Melanie MUCKE, Florian SORGENFREI, Alexander FÖHLISCH, Svante SVENSSON, Nils MÅRTENSSON P88

SYNC + TECH P-89 Mo – 693; Effects of Doping and surface termination on Surface Photovoltage : a Si (001)/SiO_2 and Water Saturated Si (001)-2x1 surface study | **Mathieu SILLY**, Debora PIERUCCI, Heloise TISSOT, Anzar KHALIQnza, Jean-jacques GALLET, Fabrice BOURNEL, Ahmed NAITABDI, Francois ROCHET, Fausto SIROTTI P89

SYNC + TECH P-90 Mo – 236; Attosecond time resolved and delayed core level photoemission from the first layer of the van der Waal crystal WSe_2 | **Ulrich HEINZMANN**, Fabian MERSCHJOHANN, Sergej NEB, Peter BARTZ, Matthias HENSEN, Christian STRÜBER, Sebastian FIECHTER, Norbert MÜLLER, Walter PFEIFFER P90

ELECTRICAL + OPTICAL PROPERTIES (ELEC + OPT)

ELEC + OPT P-91 Mo – 803; DFT study of Frenkel Pairs generation in the vicinity of Si (100) ,SiGe surfaces and theirs oxides **Fetah SABAH** P91

BIO-SURFACES + SELF-ASSEMBLED MONOLAYERS (BIO + SAM)

BIO + SAM P-92 Mo – 43; Hybrid materials based on chitosan modified with metal nanoparticles: a combined XPS and EXAFS study | **Margarita RUBINA**, Alexander VASIL'KOV, Alexander NAUMKIN, Edgar KAMITOV, Yan ZUBAVICHUS, Alexey KHOKHLOV P92

BIO + SAM P-93 Mo – 237; Experimental and theoretical study of the surface of novel mesoporous silica-titania materials | **Hristo KOLEV**, Krassimir L. KOSTOV, Georgy TYULIEV, Laura CARDOSO, Tzonka MINEVA, Emmanuel BELAMIE, Bruno ALONSO P93

BIO + SAM P-94 Mo – 310; Natural vs synthetic auxin - studies on the interactions between plant hormones and membrane lipids **Michał FLASIŃSKI**, Katarzyna HĄC-WYDRO P94

BIO + SAM P-95 Mo – 456; Study on adsorption and conformation of streptavidin on polythiophene films: microscopic and spectroscopic analysis | **Kamil AWSIUK**, Andrzej BUDKOWSKI, Mateusz MARZEC, Panagiota PETROU, Andrzej BERNASIK, Jakub RYSZ P95

BIO + SAM P-96 Mo – 496; The influence of lipid structure on the interactions with dextran. | **Katarzyna HĄC-WYDRO**, Paweł WYDRO, Andrzej CETNAR, Grzegorz WŁODARCZYK P96

BIO + SAM P-97 Mo – 498; The effect of zymosterol on lipids in binary and ternary monolayers | **Paweł WYDRO**, Katarzyna HĄC-WYDRO, Michał FLASIŃSKI P97

BIO + SAM P-98 Mo – 500; The analysis of the interactions of coprostanol with lipids in model membranes | **Paweł WYDRO**, Katarzyna HĄC-WYDRO, Michał FLASIŃSKI P98

BIO + SAM P-99 Mo – 121; Fabrication of Hexagonally Ordered Colloidal Monolayers from 3D Colloidal Crystal by Layer-by-Layer Transfer Method | **Numan GOZUBENLI** P99

* **BIO + SAM P-100 Mo – 122;** Thermodynamic control of polymorphic transition from 1D ribbon to 2D carpet: squaric acid on Au(111) | **Kan UEJI**, Jaehoon JUNG, Junepyo OH, Kazuo MIYAMURA, Yousoo KIM P100

BIO + SAM P-101 Mo – 138; Self-Organized Molecular Films with Long-Range Quasiperiodic Order | **Vincent FOURNEE**, Emilie GAUDRY, Julian LEDIEU, Marie-cécile DE WEERD, Dongmei WU, Thomas LOGRASSO P101

BIO + SAM P-102 Mo – 204; Surface and Electrochemical Properties of Ferrocenyl Polyethylene Glycol Monolayers on Si(111) **Shintaro SUGIURA**, Ichii TAKASHI, Hiroyuki SUGIMURA P102

BIO + SAM P-103 Mo – 217; Analysis of the structure of α-sexithiophene thin films grown on layered materials | **Hiraku KODAMA**, Kenta HIRAGA, Sinya OHNO, Tetsuhiro SEKIGUCHI, Yuji BABA, Masatoshi TANAKA P103

BIO + SAM P-104 Mo – 255; Confinement of surface state electrons by molecular self-assembled networks | **Jun LI**, Stefano GOTTARDI, Juan Carlos MORENO LOPEZ, Leonid SOLIANYK, Meike STÖHR P104

BIO + SAM P-105 Mo – 256; Chemically-assembled nanolayers bonded on silicon prepared from nitrophenyl-diazonium: Growth behavior and photopatterning | **Hiroyuki SUGIMURA**, Kenji SHIMOSAKA, Takashi ICHII P105

* **BIO + SAM P-106 Mo – 284;** Point defects as a gateway to organic functionalization of silicon substrates | **Petr ZIMMERMANN**, Michael KUCERA, Pavel KOCAN, Ivan OSTADAL, Pavel SOBOTIK P106

BIO + SAM P-107 Mo – 292; Growth of α-sexithiophene (α-6T) on a templated rutile TiO_2(110) surface | **Ebrahim GHANBARI**, Michael MÜHLEGGER, Thorsten WAGNER, Peter ZEPPENFELD P107

BIO + SAM P-108 Mo – 307; Dehydrogenation and self-assembly of tetrahydroxybenzene on Cu(111) | **Katrine SVANE**, Trolle LINDEROTH, Bjørk HAMMER P108

* **BIO + SAM P-109 Mo – 370;** Self-metalation of 2H-tetraphenyl-porphyrin on a dielectric substrate: Ti incorporation from the Rutile TiO_2(110) surface. | **Giacomo LOVAT**, Celia ROGERO BLANCO, Luca FLOREANO P109

* **BIO + SAM P-110 Mo – 372;** PTCDI Film Growth on Ag/Si(111)-$\sqrt{3}\times\sqrt{3}$ Studied by STM/STS | **Christian EMANUELSSON**, Hanmin ZHANG, Ellen MOONS, Lars JOHANSSON P110

BIO + SAM P-111 Mo – 798; Passivation and electronic properties of germanium functionalized by self-assembled monolayers **Virginie GADENNE**, Lionel PATRONE, Gregory DELAFOSSE, Laure FILLAUD, Bruno JOUSSELME, Jean-manuel RAIMUNDO P111

BIO + SAM P-112 Mo – 78; In situ Observation of the Sputter Deposited Gold Nanoclusters Growth using GISAXS **Peng ZHANG** P112

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